

GSFC TROPOZ report for 2017 July 19 operations

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Lidar operations: The lidar performed with minimal overheating issues. Marginal cloud cover at mid levels in beginning of the measurement period. Data were taken between 16:15-24:00 UT. (i.e. 1215p-2000p local time). Quicklook 5-min data is below, email john.t.sullivan@nasa.gov for high(er) quality figure. Surface o₃ compares well with the lidar 300m data during the afternoon, and is plotted in the lowest data bin. However, there is an 15-20 ppbv enhancement in aloft lidar data that is not observed at the surface, potentially caused by air mass recirculation. An o₃-sonde, launched at 15:20LT, is also overlaid.

